

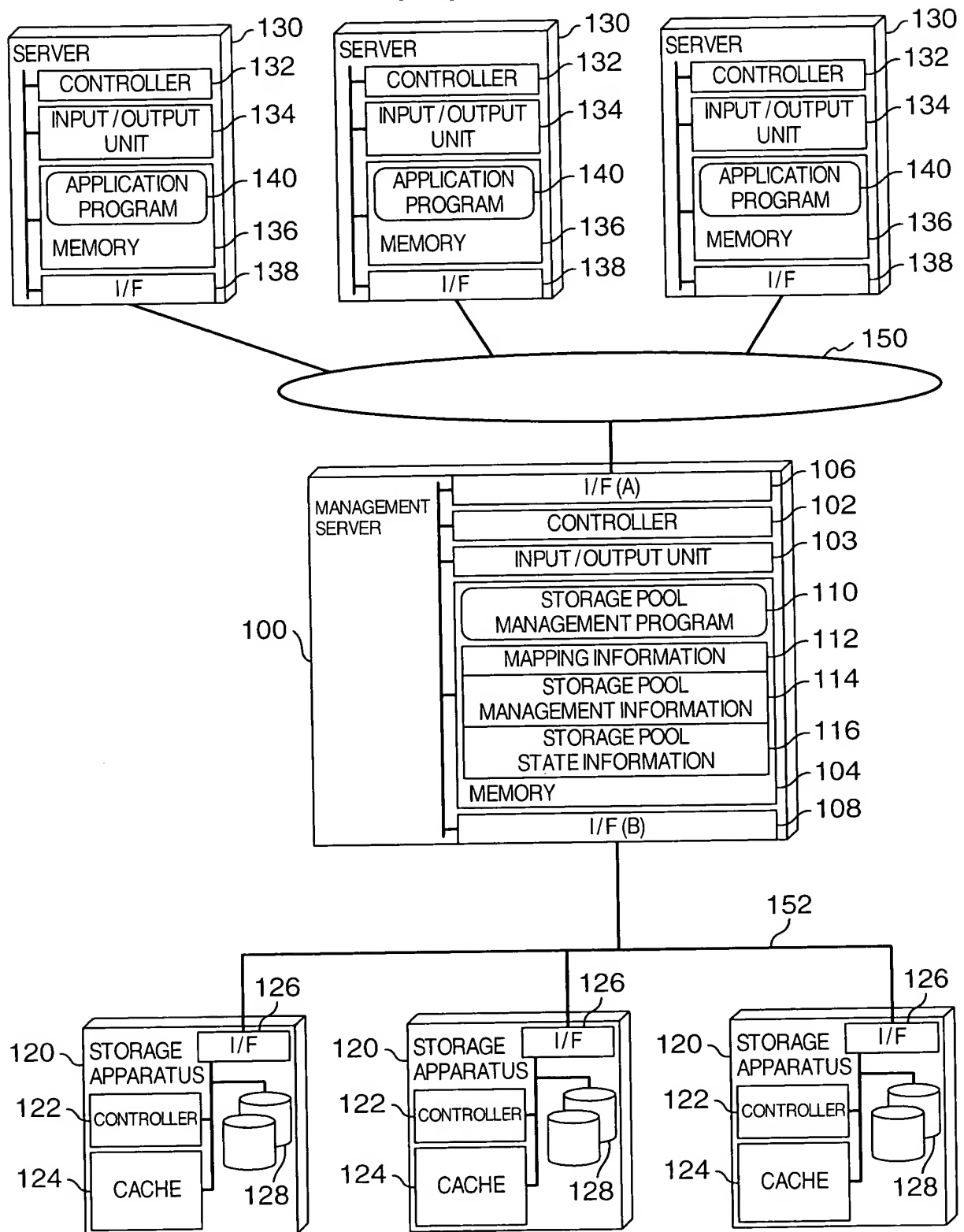
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FIG.1



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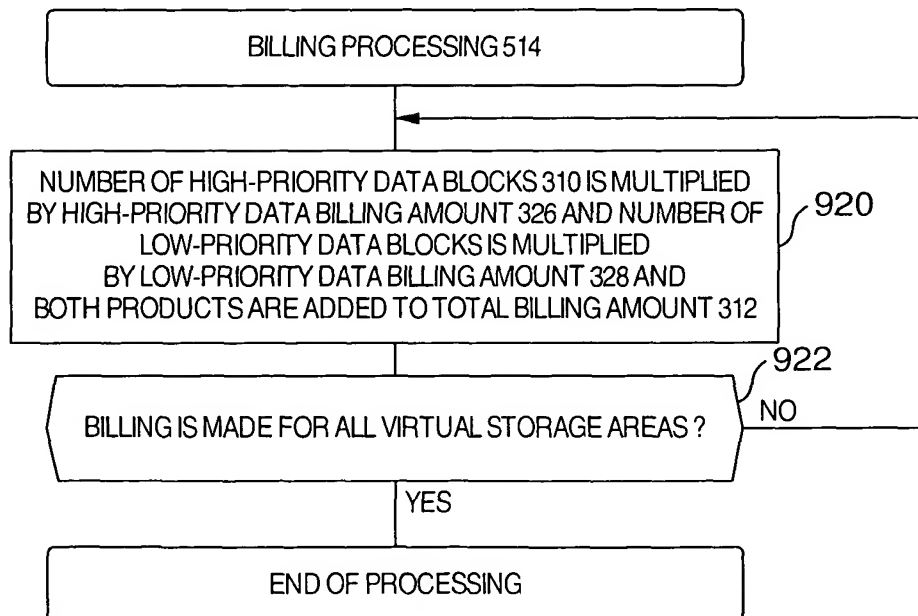
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FIG. 2

200 STORAGE POOL BLOCK NUMBER	202 STORAGE APPARATUS ID	112 204 PHYSICAL DISK ID	206 PHYSICAL BLOCK NUMBER
0 - 4999	S01	D01	0 - 4999
5000 - 9999	S02	D01	0 - 4999
10000 - 14999	S03	D01	0 - 4999
15000 - 19999	S01	D02	0 - 4999
20000 - 24999	S02	D02	0 - 4999
25000 - 29999	S03	D02	0 - 4999
30000 - 34999	S01	D03	0 - 4999
35000 - 39999	S02	D03	0 - 4999
⋮	⋮	⋮	⋮

MAPPING INFORMATION

FIG. 10



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FIG.3A

FIG.3B

Diagram illustrating the structure of Storage Pool State Information:

- ASSIGNMENT STATE BIT MAP (330)
- USE STATE BIT MAP (332)
- DATA PRIORITY BIT MAP (334)

STORAGE POOL STATE INFORMATION

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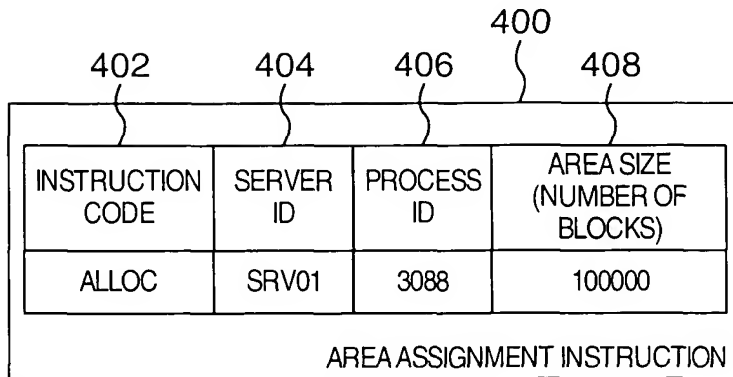


FIG. 4A

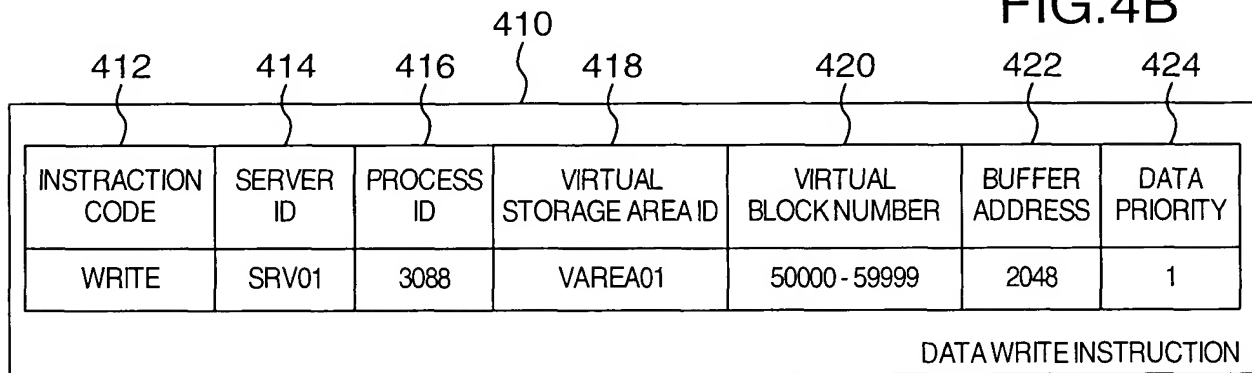


FIG. 4B

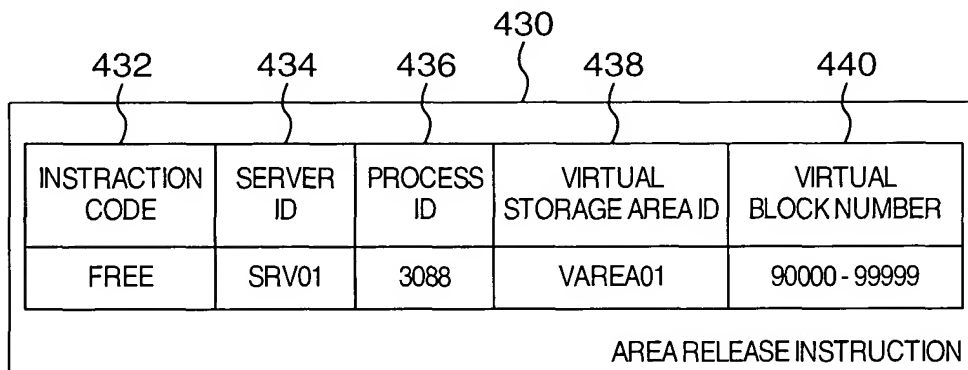


FIG. 4C

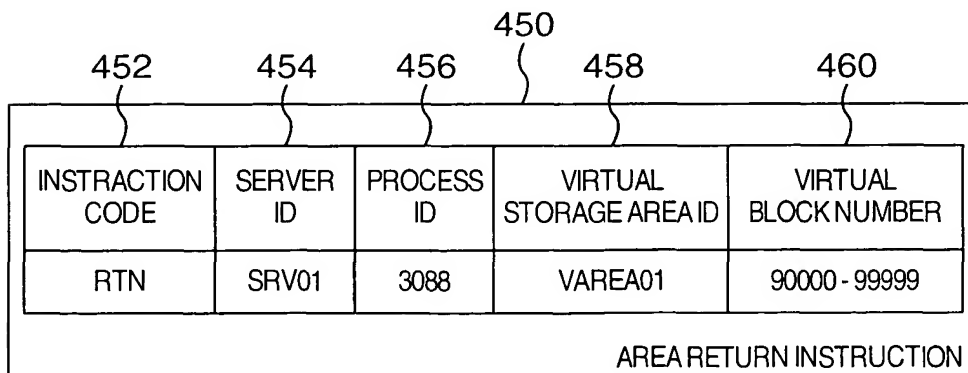


FIG. 4D

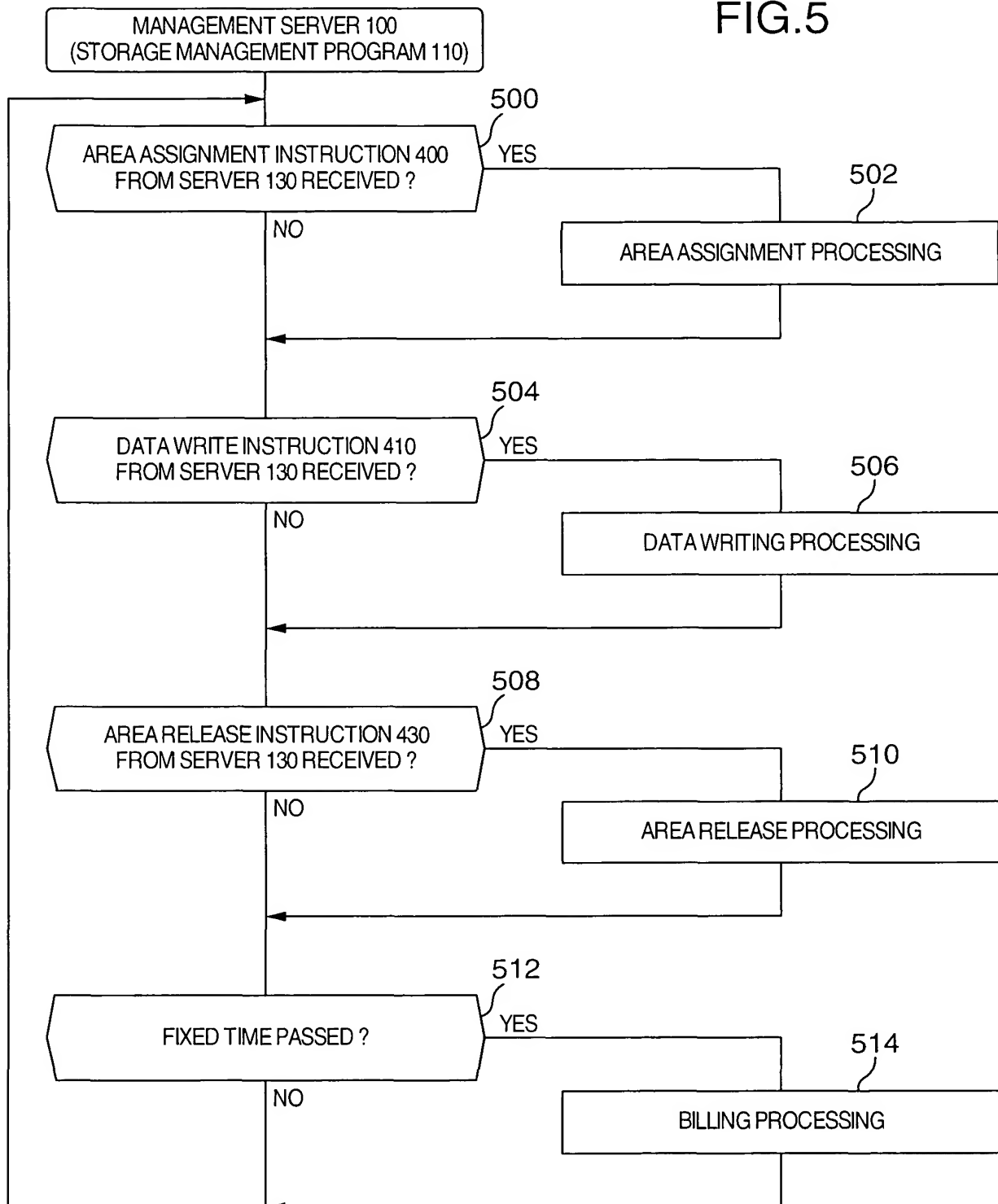
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FIG.5



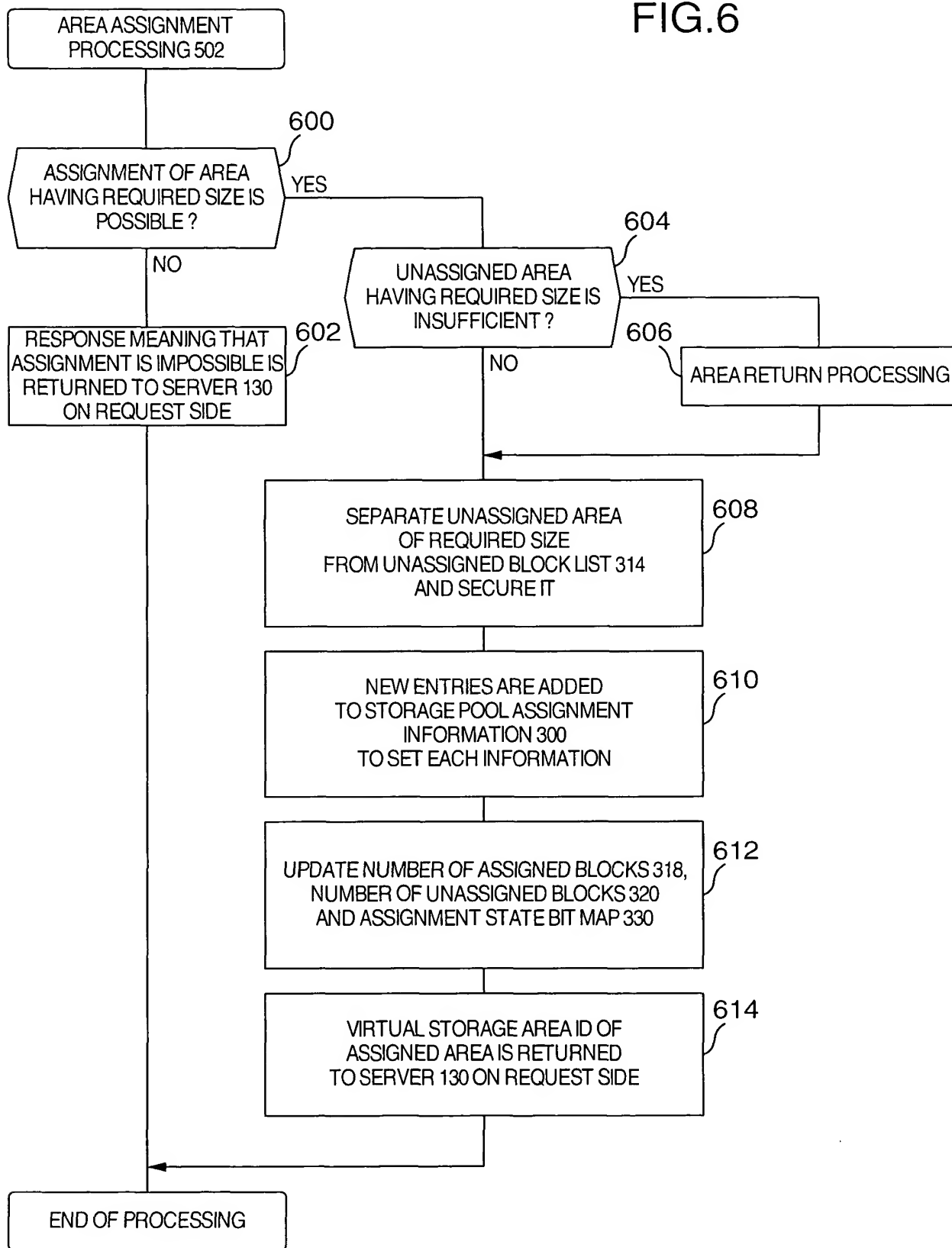
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FIG.6



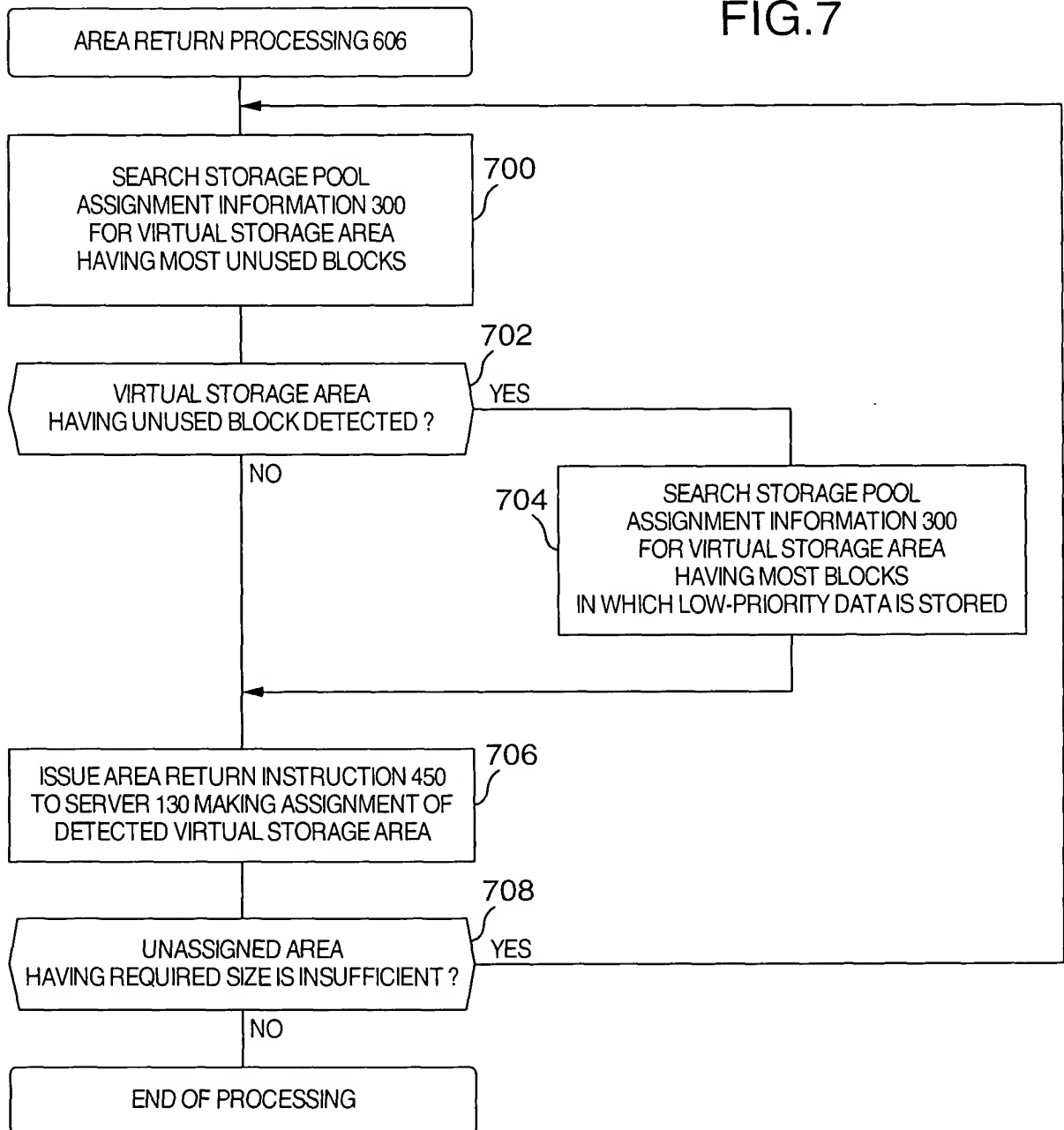
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FIG.7



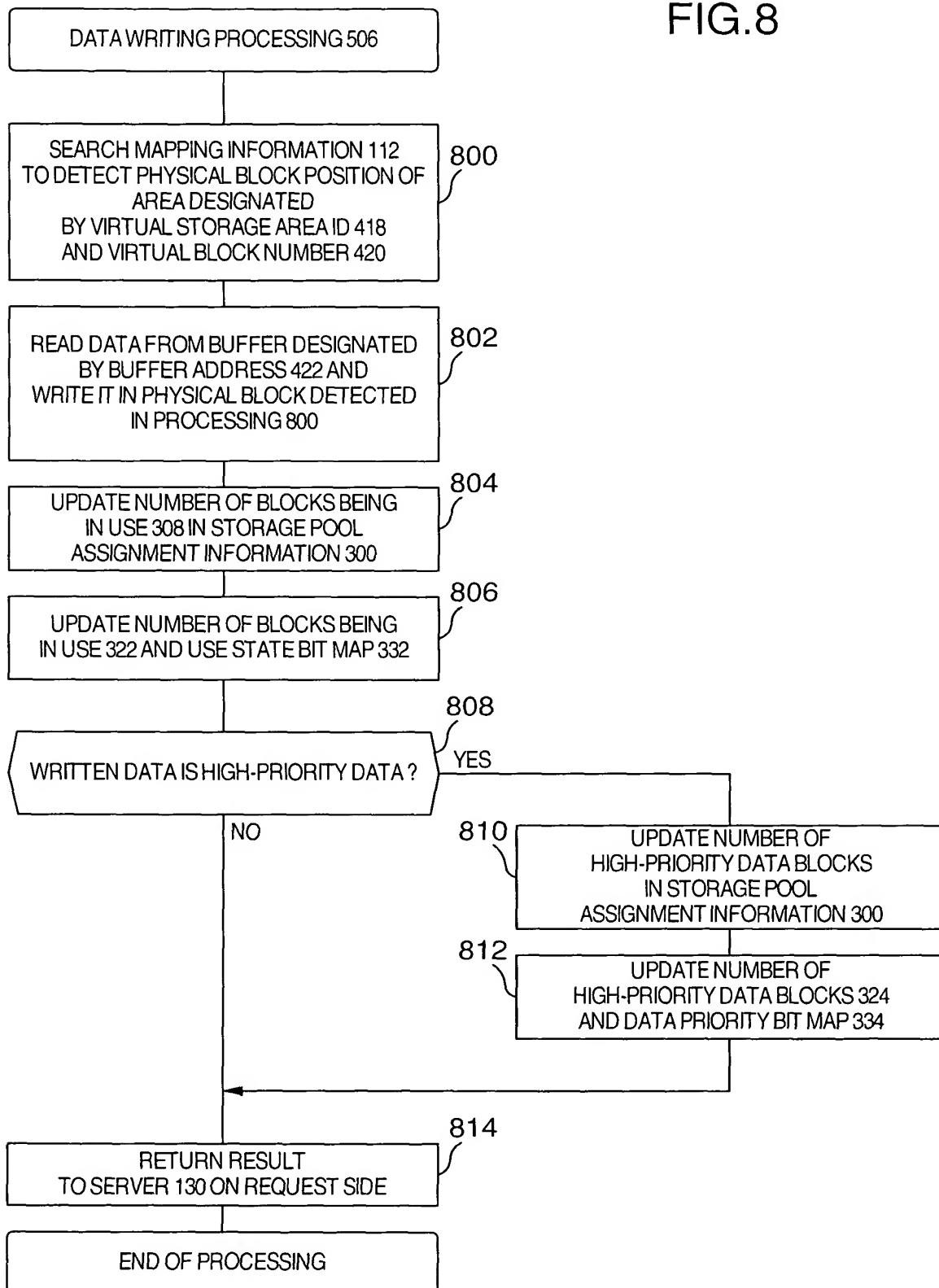
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FIG. 8





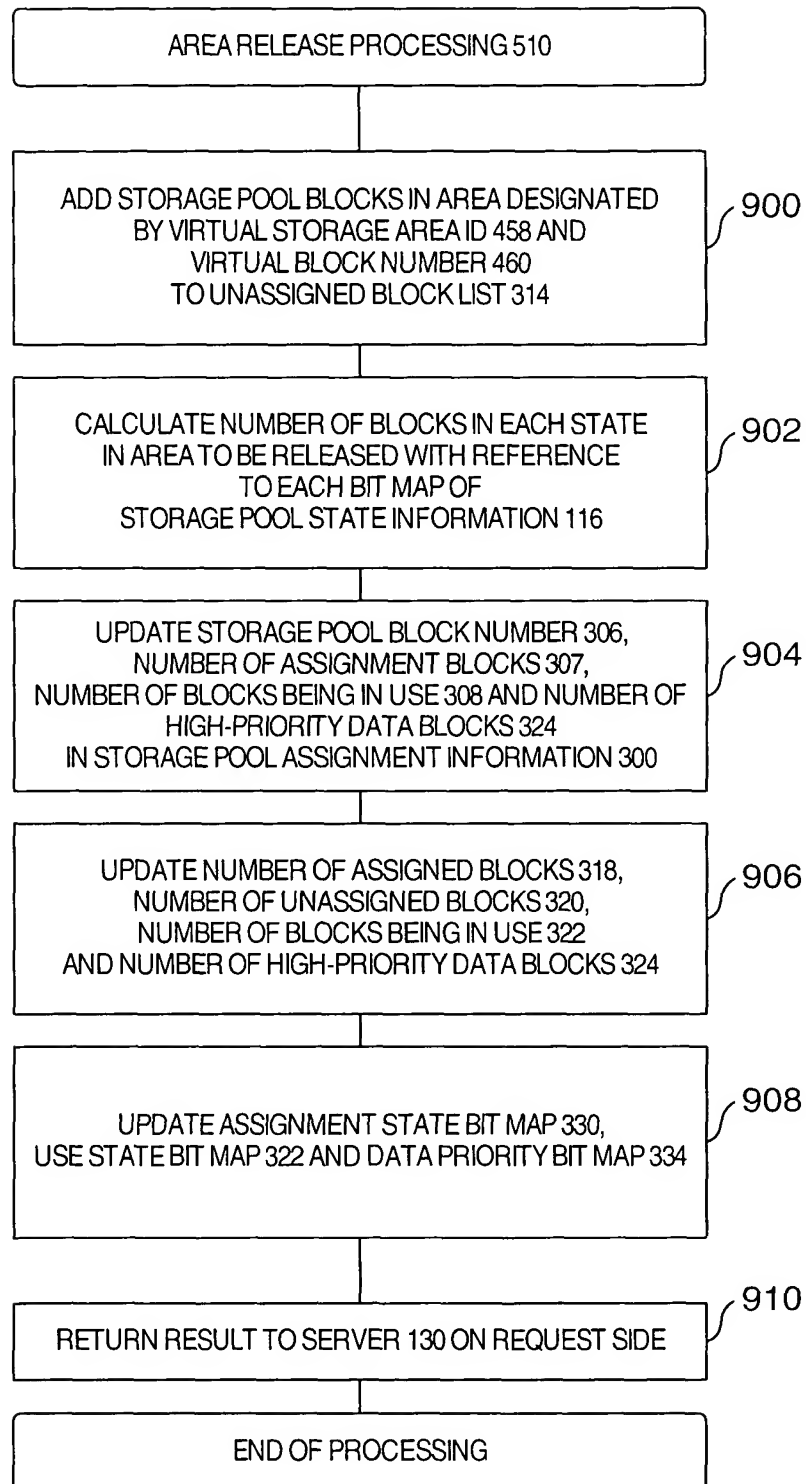
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FIG.9



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FIG. 11

